SNELLEN ACUITY TEST CHART
Distance 20 feet (6 meters)
10
11
12.5
14
16
18
20

SNELLEN ACUITY TEST CHART
Distance 20 feet (6 meters)
10
11
12.5
14
16
18
20

I 49.8/2:85 (15) map A6

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

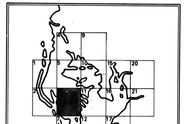
ST. PETERSBURG QUADRANGLE
FLORIDA—PINELLAS CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

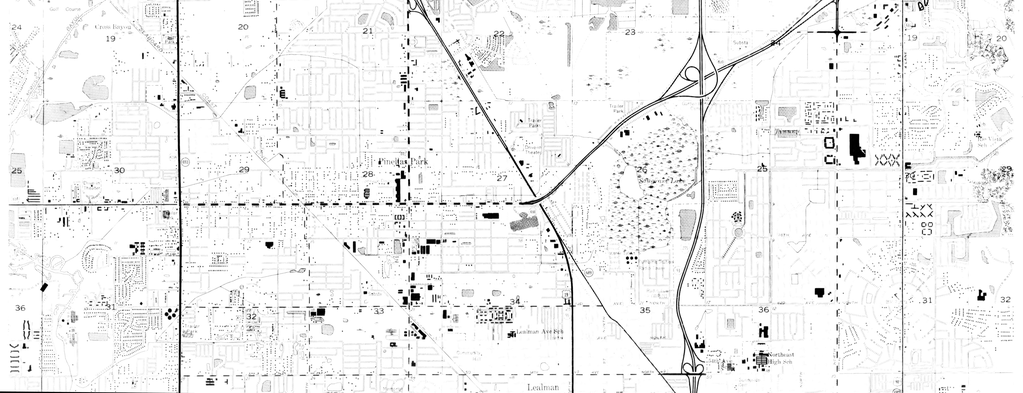
MAP A6

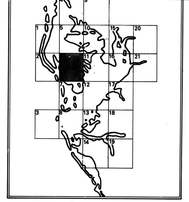
TAMPA BAY ENVIRONMENTAL ATLAS

BIOLOGICAL RESOURCES

ST. PETERSBURG







Scale 1:24,000

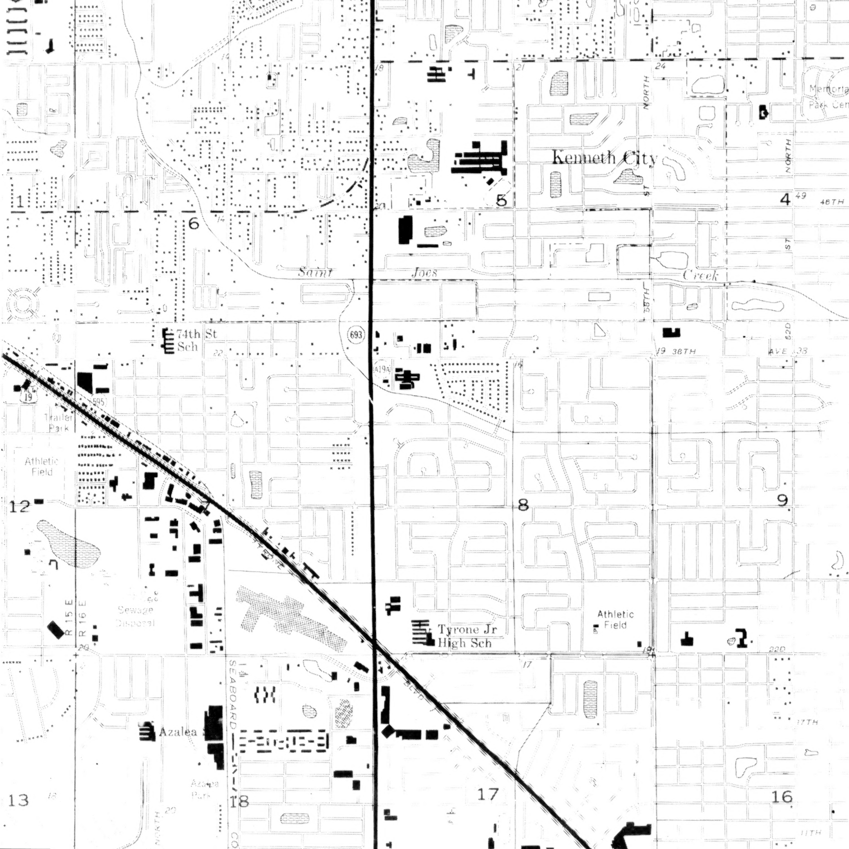
1984

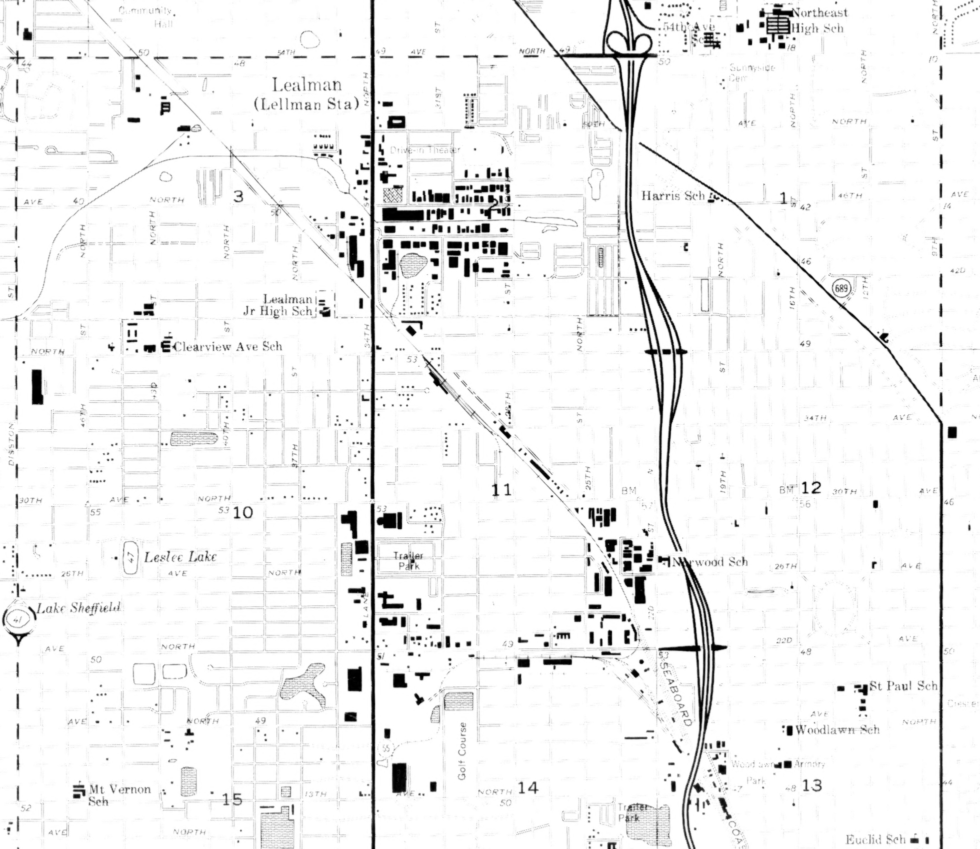
TOPICAL MAPS IN THIS ATLAS:

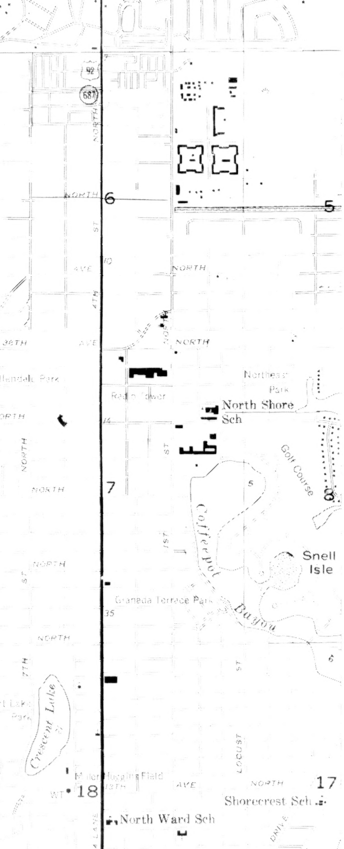
A. BIOLOGICAL RESOURCES
B. WATER RESOURCES

Produced by U.S. Fish and Wildlife Service
Projection and 1,000 meter grid, zone 17: Universal Transverse Mercator
10,000-foot grid ticks based on Florida coordinate system, east and west zones

Overlay material compiled in 1984 from latest available data obtained from


Memorial
Park Cem
NORTH
NORTH
Kenneth City
1
6
5
4
49
48TH
ST
Saint
Joes
Creek
38TH
ST
693
74th St
Sch
19 38TH
AVE
19
595
694
Trailer
Park
Athletic
Field
12
8
9
Sewage
Disposal
R 15 E
R 16 E
TYRONE
BLVD
Tyrone Jr
High Sch
Athletic
Field
SEABOARD
CO
Azalea
Azalea
Park
13
18
17
16
NORTH
17TH
11TH


Community Hall
Northeast High Sch
54th Ave Sch
Lealman
(Lellman Sta)
54TH AVE NORTH
Sunnyside Cem
Drive-in Theater
Harris Sch
3
2
1
46TH
AVE
NORTH
ST
31ST
34TH
689
Lealman Jr High Sch
Clearview Ave Sch
DISSTON
46TH
40TH
37TH
34TH AVE
16TH
12TH
9TH
25TH
19TH
BM
11
12
30TH AVE NORTH
30TH AVE
10
Leslee Lake
47
Trailer Park
Norwood Sch
26TH AVE NORTH
26TH AVE
Lake Sheffield
41
LANE
22D AVE
SEABOARD
St Paul Sch
Woodlawn Sch
Woodlawn Armory Park
13
Golf Course
Mt Vernon Sch
15
13TH AVE NORTH
14
Trailer Park
COAST
Euclid Sch
55
53
51
49
48
50
52
42
44
46


92
687
NORTH
6
5
NORTH
AVE
4TH
ST
10
NORTH
36TH
AVE
NORTH
Northeast Park
Radio Tower
North Shore Sch
14
ST
Golf Course
NORTH
7
5
8
Coffeepot
Bayou
Snell Isle
NORTH
Granada Terrace Park
35
NORTH
6
Crescent Lake
Water Tower
13TH
AVE
NORTH
LOCUST
17
18
Shorecrest Sch
North Ward Sch
DRIVE

Projection and 1,000 meter grid, zone 17: Universal Transverse Mercator
10,000-foot grid ticks based on Florida coordinate system, east and west zones

Overlay material compiled in 1984 from latest available data obtained from Federal, State and Local government agencies and other sources.

There are no maps A19, A20, A21 due to a lack of data.

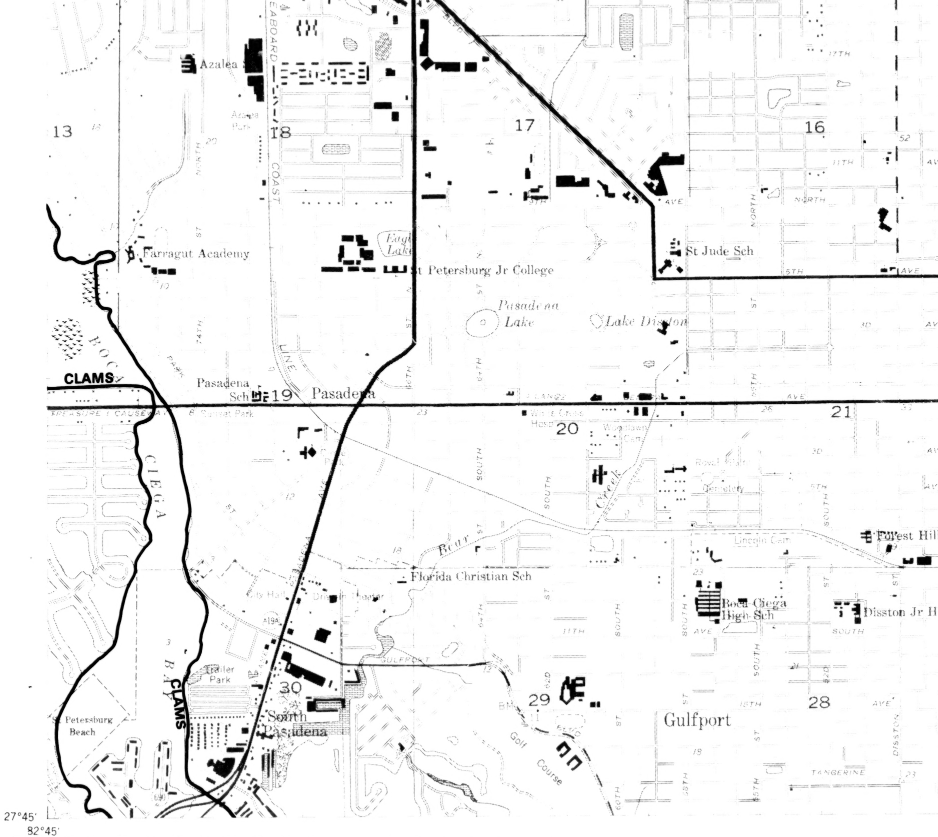
LEGEND

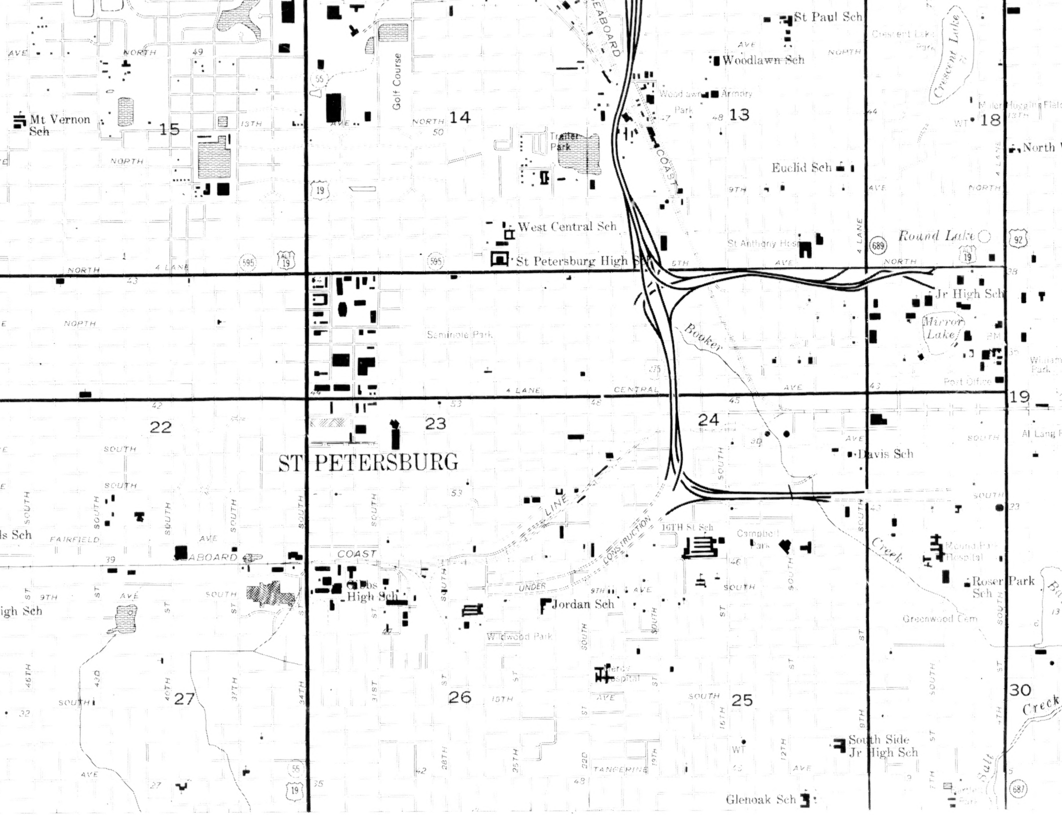
SHELLFISH HARVEST AREA
(Florida Dept. of Natural Resources)

SHA	Shellfish Harvest Approved
SHCA	Shellfish Harvest Conditionally Approved
	NOTE: Due to Dept. of Natural Resources (DNR) water quality standards all other estuarine areas are prohibited or unclassified as to shellfish harvest status and are officially unapproved. For further info. on status of harvest areas contact DNR - Shellfish Environmental Assessment Section.
Oys-1	Public Oyster Bed
Oys-2	Private Oyster Bed (Lease)
CLAMS	Clam Bed

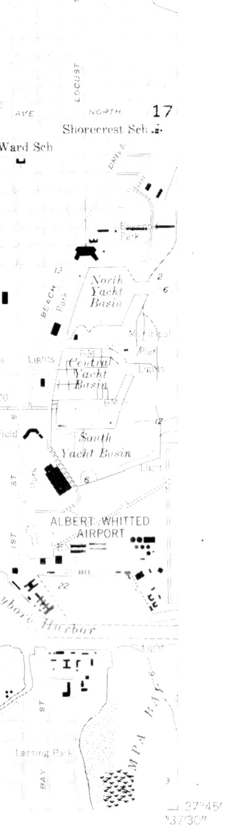
FINFISH SPAWNING, NURSERY AND HARVEST AREAS
(Recreational Hook and Line Fishing)

SPECIES #	FINFISH CATEGORY Common Name	SPAWNING LOCATION[1]	SPAWNING SEASON J M M J S N	NURSERY AREA[1]	MAJOR NURSERY HABITATS Seagrass	Mangrove	Saltmarsh	Beach	Coral Reef	Artificial Reef	Open Water	AREA OF ADULT ABUNDANCE[1]	MAJOR ADULT HABITATS Seagrass	Mangrove	Beach	Coral Reef	Artificial Reef	Open Water	MIGRATION TYPE[2]
	ESTUARINE DEPENDENT FISHES																		


Azalea
Azalea Park
SEABOARD COAST LINE
13
18
17
16
17TH
11TH
NORTH
AVE
5TH
52
St Jude Sch
Farragut Academy
Eagle Lake
St Petersburg Jr College
Pasadena Lake
Lake Disston
BOCA CIEGA BAY
CLAMS
TREASURE I CAUSEWAY
Pasadena Sch
19
Pasadena
Sunset Park
74TH
PARK
20
21
Woodlawn Cem
White Cross Hosp
Royal Palm Cemetery
Bear Creek
Lincoln Cem
Forest Hill
Florida Christian Sch
City Hall
Drive-in Theater
Boca Ciega High Sch
Disston Jr H
GULFPORT
Trailer Park
30
South Pasadena
St Petersburg Beach
29
28
Gulfport
Golf Course
15TH
TANGERINE
DISSTON
SOUTH
A19A
27°45′
82°45′


ST PETERSBURG
Mt Vernon Sch
15
14
13
18
Golf Course
Trailer Park
St Paul Sch
Woodlawn Sch
Woodlawn Armory
Woodlawn Park
Crescent Lake
Crescent Lake Park
Miller Huggins Field
North
Euclid Sch
West Central Sch
St Petersburg High Sch
St Anthony Hosp
Round Lake
Jr High Sch
Mirror Lake
Seminole Park
Booker
Williams Park
Post Office
19
Al Lang F
22
23
24
Davis Sch
Fairfield Ave
Seaboard Coast Line
Under Construction
16TH St Sch
Campbell Park
Mound Park Hospital
Roser Park Sch
Greenwood Cem
Gibbs High Sch
Jordan Sch
Wildwood Park
Mercy Hospital
27
26
25
30
South Side Jr High Sch
Glenoak Sch
Salt Creek
Tangerine Ave
Central Ave
4 Lane
5th Ave North
9th Ave North
13th Ave North
9th Ave South
15th Ave South
34th St South
31st St
28th St
16th St
19
ALT 19
55
92
595
687
689
275

SCALE 1:24 000


LOCUST
AVE
NORTH
17
Shorecrest Sch
Ward Sch
DRIVE
BEACH
Park
North Yacht Basin
Municipal Pier
Lights
Central Yacht Basin
South Yacht Basin
ALBERT WHITTED AIRPORT
Harbor
TAMPA BAY
Lassing Park
27°45'
37'30"

FINFISH SPAWNING, NURSERY AND HARVEST AREAS

(Recreational Hook and Line Fishing)

SPECIES #	FINFISH	SPAWNING													NURSERY AREA[1]	MAJOR NURSERY HABITATS							AREA OF ADULT ABUNDANCE[1]	MAJOR ADULT HABITATS						MIGRATION TYPE[2]
	CATEGORY Common Name	LOCATION[1]	SEASON																											
			J		M		M		J		S		N			Seagrass	Mangrove	Saltmarsh	Beach	Coral Reef	Artificial Reef	Open Water		Seagrass	Mangrove	Beach	Coral Reef	Artificial Reef	Open Water	
	ESTUARINE DEPENDENT FISHES																													
1	Red Drum	C	■	■							■	■	■	■	E	●	●	●					E	●	●	●				2
2	Spotted Seatrout	E			■	■	■	■	■	■	■	■			E	●	●	●					E	●	●					2
3	Snook	C					■	■	■						E	●	●	●					E	●	●					2
4	Sheepshead	C			■	■	■								C	●							C-E			●		●		1
5	Southern Flounder	C									■	■	■	■	C-E	●			●				C-E	●		●				2
6	Florida Pompano	CS				■	■	■	■	■	■	■			C-E				●				C-E			●			●	3
7	Striped Mullet	CS	■									■	■	■	E	●	●	●					E	●	●	●				3
8	Gulf Menhaden	C	■	■	■								■	■	E	●	●	●					C-E	●		●			●	3
9	Spanish Sardine	C						■	■	■	■				E	●	●	●					C-E	●		●			●	3
10	Black Drum	C	■	■	■	■	■						■	■	E	●	●	●					E	●	●	●				1
	REEF FISHES																													
11	Red Grouper	CS			■	■	■	■							CS-C	●				●	●		CS				●	●		2
12	Jewfish	CS							■	■					CS-C	●				●	●		CS-C				●	●		2
13	Gag Grouper	CS	■	■	■	■								■	CS-C	●				●	●		CS-C				●	●		2
14	Scamp	CS			■	■									CS	●				●	●		CS				●	●		2
15	Red Snapper	CS							■	■	■	■			CS-C	●				●	●		CS-C				●	●		2
16	Mangrove Snapper	CS				■	■	■	■	■					C-E	●	●						C-E				●	●		2
	COASTAL PELAGIC FISHES																													
17	King Mackerel	OCS					■	■	■	■	■				CS							●	CS-C				●	●	●	4
18	Spanish Mackerel	CS					■	■	■	■	■				CS							●	CS-C				●	●	●	4

[1] KEY:

E — Estuarine

C — Coastal

CS — Continental Shelf

OCS — Outer Continental Shelf

[2] MIGRATION TYPE:

1 — Residentially Restricted

2 — Random Residential Range

3 — Restricted Migration

4 — Extensive Migration

COLONIAL BIRD NESTING SITE *

Number appearing with symbol indicates colony sites. Colony sites and species - composition data are included in the narrative.

Shorebird

Wading Bird

Brown Pelican

WEST INDIAN MANATEE HABITAT

Trailer
Park
30
BAY
CLAMS
St. Petersburg
Beach
South
Pasadena
690
29
BM
Golf
Course
60TH
57TH
ST
ST
Gulfp
27°45′
82°45′

THE TAMPA BAY ENVIRONMENTAL ATLAS WAS PRODUCED BY THE U.S. FISH AND WILDLIFE SERVICE, DIVISION OF BIOLOGICAL SERVICES NATIONAL COASTAL ECOSYSTEMS TEAM (FWS/OBS) FOR COASTAL PLANNERS, DECISION MAKERS AND THE GENERAL PUBLIC, TO DETERMINE AND EVALUATE CHANGE AND TO RESOLVE CONFLICTS AMONG LAND USES, FISH AND WILDLIFE REQUIREMENTS AND THE MAINTENANCE OF ECOLOGICAL DIVERSITY. THE STUDY AREA INCLUDES A MAJOR PORTION OF THE COASTAL COUNTIES OF PINELLAS, HILLSBOROUGH, MANATEE, AND A SMALL PORTION OF SARASOTA. THERE IS NO ATTEMPT, IN THE DESIGN OR PRODUCTS OF THIS STUDY, TO DEFINE THE LIMITS OF PROPRIETARY JURISDICTION OF ANY FEDERAL STATE, OR LOCAL GOVERNMENT TO ESTABLISH THE GEOGRAPHICAL SCOPE OF THE REGULATORY PROGRAMS OF GOVERNMENT AGENCIES.

THIS MAP HAS BEEN COMPILED FROM A VARIETY OF SOURCE MATERIALS INCLUDING MAPS, AERIAL PHOTOS, AND REPORTS. SINCE MANY SOURCES CONTAINED GENERALIZED LOCATIONS OF RESOURCES AND OTHER MAPPED FEATURES, THE USER SHOULD NOT RELY ON THESE MAPS FOR PRECISE MEASUREMENTS OF DISTANCES OR AREAS.

PRIMARY SOURCES OF MAPPED INFORMATI

SHELLFISH HARVEST AREAS: Shellfish Harvest Area Ma
Dept. of Natural Resources, 1982.

PUBLIC & PRIVATE OYSTER BEDS: Cooperative Gulf of
Estuarine Inventory and Study, Florida, McNulty, Lindall
and Sykes, 1972.

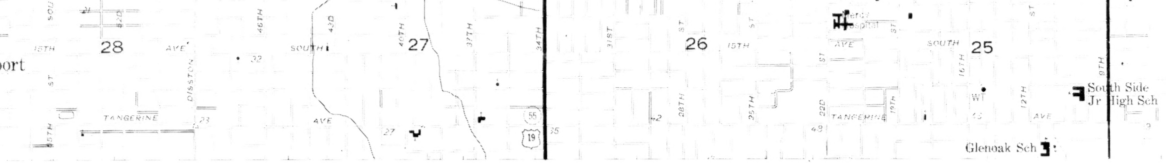
CLAMS: Personal Communication, Discussion of Distributio
Clams in Tampa Bay and Adjacent Brackish Waters, Mr.
Three T's Clam Company, 1983 Mike Sprague, Draft Ma
Department of Natural Resources, 1984

SCALLOP BEDS: Personal Communication. Mr Bill Lyons
Dept. of Natural Resources, Marine Research Laborator

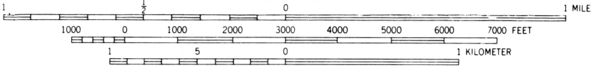
FINFISH SPAWNING, NURSERY & HARVEST AREAS: F
Fishing Grounds, Moe, 1970.

BIRD NESTING SITES: Florida Atlas of Breeding Sites for
Herons and Their Allies: 1976-78, Nesbitt, S.A., Ogden,
Kale II, H.W., et.al. U.S Fish and Wildlife Service, 1982.
Personal Communication, Maps and Data, Dr H.W. Kale
Florida Audubon Society, 1982

MICROCOPY RESOLUTION TEST CHART
NBS - 1010a
(ANSI and ISO TEST CHART No. 2)
1.0
1.1
4.5
5.0


28
27
26
25
15TH
AVE
SOUTH
TANGERINE
AVE
DISSTON
46TH
42D
40TH
37TH
34TH
31ST
28TH
25TH
22D
19TH
16TH
12TH
9TH
ST
55
19
ort
South Side
Jr High Sch
Glenoak Sch

SCALE 1:24 000


1
½
0
1 MILE
1000
0
1000
2000
3000
4000
5000
6000
7000 FEET
1
5
0
1 KILOMETER

ON:

ps,

Mexico

on
L. Tracy
aps,

, 1982

Florida's

J.C.

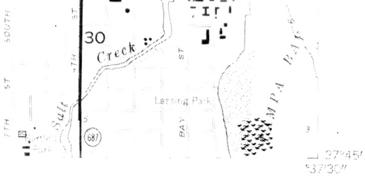
II,

MANATEE HABITAT: Boaters guide to Manatees, the gentle giants, Florida Marine Patrol, 1980.

SEAGRASS BEDS: Tampa Bay Seagrass Maps, 1:10,000 and 1:24,000 Scales, Mangrove Systems, Inc. 1980
National Wetlands Inventory Maps, 1:24,000 Scale, U.S. Fish and Wildlife Service, 1983.

ARTIFICAL REEFS: Computer Printout of Florida Artifical Reefs, U.S. Army Corps of Engineers, 1981. Recreational Use Reefs in Florida: Artifical and Natural, Florida Sea Grant Program, 1979.

FOR COMPLETE REFERENCE SEE MAP NARRATIVE


30
Creek
Salt
ST
4TH
BAY
Lassing Park
TAMPA BAY
687
27°45′
37′30″

Number appearing with symbol indicates colony sites. Colony sites and species - composition data are included in the narrative.

Shorebird

Wading Bird

Brown Pelican

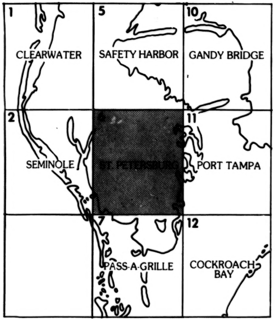
WEST INDIAN MANATEE HABITAT

STATE MANATEE SANCTUARY

▨ **SEAGRASS BEDS**

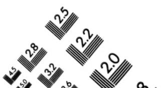
■ **ARTIFICAL REEF***
(Permitted by Florida Dept. of Environmental Regulation)
Numbers next to reefs refer to composition data in narrative

**Symbols appearing with numbers are described more fully in the narrative.*


1
CLEARWATER
5
SAFETY HARBOR
10
GANDY BRIDGE
2
SEMINOLE
6
ST. PETERSBURG
11
PORT TAMPA
7
PASS-A-GRILLE
12
COCKROACH BAY

MICROFILMED FROM
BEST AVAILABLE COPY

MICROCOPY RESOLUTION TEST CHART
NBS - 1010a
(ANSI and ISO TEST CHART No. 2)


2.5
2.8
2.2
4.5
3.2
2.0
5.0
3.6
1.8